



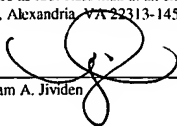
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Applicant(s) : Gurtej S. Sandhu
Serial No. : 10/697,511
Filed : October 30, 2003
Title : ATOMIC LAYER DEPOSITION APPARATUS WITH POINT OF USE
GENERATED REACTIVE GAS SPECIES
Docket : MIO 0092 VA/40509.271
Art Unit : TBD

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on January 14, 2004.


William A. Jividen

Reg. No. 42.695

Sir:

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.56, 1.97, AND 1.98

Applicant submits herewith patents, publications, and other information of which he is aware, which he believes may be material, as defined in 37 CFR §1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 CFR §1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 CFR §1.97(h), constitute an admission that any patent, publication, or other information referred to is, or is considered to be, material to the patentability of this invention. Further, pursuant to 37 CFR §1.97(g), the filing of this Statement should not be construed as a statement that a search has been made or that no other material information exists.


This Information Disclosure Statement is being filed within the period set forth in 37 CFR §1.97(b) because it is filed within three months of the filing date of a national application or within three months of the date of entry of the national stage as set forth in 37 CFR §1.491 in an international application.

Serial No. 10/697,511
Docket MIO 0092 VA/40509.271

The above application is a division of U.S. Application Serial No. 10/091,938 filed March 5, 2002. Pursuant to § 1.98(d), copies of those items cited by or submitted to the Office in the prior application are not being submitted.

The Office has waived the requirement pursuant to 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003. Therefore, no copies of each cited U.S. patent and each cited U.S. patent application publication are enclosed, but the cited U.S. patents and the cited U.S. patent application publications are listed on PTO/SB/08A.

Respectfully submitted,
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WAJ/mjt
Encl



PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/697,511
Filing Date	October 30, 2003
First Named Inventor	Gurtej S. Sandhu
Art Unit	
Examiner Name	
Attorney Docket Number	MIO 0092 VA/40509.271

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,260,649	04-07-1981	Dension et al.	
		US- 5,607,601	03-04-1997	Loper et al.	
		US- 5,659,383	08-19-1997	Ozawa	
		US- 5,669,979	09-23-1997	Elliott et al.	
		US- 5,814,156	09-29-1998	Elliott et al.	
		US- 5,270,247	12-14-1993	Sakuma et al.	
		US- 5,023,424	06-11-1991	Vaught	
		US- 6,461,909B1	10-08-2002	Marsh et al.	
		US- 6,503,330B1	01-02-2003	Sneh et al.	
		US- 6,509,601B1	01-21-2003	Lee et al.	
		US- 6,448,192B1	09-10-2002	Kaushik	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
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Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		VINAY PRASAD, MATTHIAS K. GOBBERT, AND TIMOTHY S. CALE, Prediction of Deposition Rates in Atomic Layer Deposition, Focus Center--New York, Rensselaer: Interconnections for Gigascale Integration, Rensselaer Polytechnic Institute, Troy, NY, Department of Mathematics and	

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